

a casing having an inlet for receiving refrigerant and an outlet for discharging refrigerant, the casing including opposed end portions and an intermediate portion disposed between said end portions and having an inner surface;

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cont.
a molded core formed from dessicant and a binder and being disposed in said casing between said inlet and outlet and having an outer surface and receiving flow of refrigerant therethrough; and

holding means between the casing inner surface and said core outer surface for holding the core in place, the holding means including at least one preformed protrusion on the casing engaging the outer surface of the core to inhibit axial movement of the core.

3. (Amended) A filter-drier for drying refrigerant circulated in a refrigeration system by removing moisture therefrom, the filter-drier comprising:

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a casing having an inlet for receiving refrigerant and an outlet for discharging refrigerant, the casing including opposed end portions and an intermediate portion disposed between said end portions and having an inner surface;

a molded core formed from dessicant and a binder and being disposed in said casing between said inlet and outlet and having an outer surface and receiving flow of refrigerant therethrough; and

holding means between the casing inner surface and said core outer surface for holding the core in place, the holding means including bonding means between the inner surface of the casing and the outer surface of the core to inhibit axial movement of the core, the bonding means being provided by the desiccant core binder.

4. (Amended) A filter-drier as defined in claim 1, wherein:

the protrusion is circular and extends into the outer surface of the core.

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cont.

5. (Resubmitted) A filter-drier as defined in claim 1, wherein:

the casing includes a cylindrical intermediate portion and the opposed end portions are funnel shaped.

6. (Amended) A filter-drier as defined in claim 1, wherein:

the casing includes a cylindrical portion; and
the core includes a cylindrical portion.

7. (Resubmitted) A filter-drier as defined in claim 1, wherein:

the core includes a frusto-conical portion and a passage

having a closed end proximate the inlet and an open end portion proximate the outlet.

8. (Amended) A filter-drier as defined in claim 6, wherein:

the cylindrical portion of the core is bonded to the cylindrical portion of the casing by the molded core binder.

9. (Amended) A filter-drier as defined in claim 1, wherein:

the core is formed from molded desiccant and a binder the binder providing at least part of the holding means bonding the core to the casing.

11. (Amended) A method of manufacturing a filter-drier as defined in claim 10, comprising the additional step of:

forming the core with a passage having a closed end adjacent the inlet and an open end adjacent the outlet.

13. (Amended) A method of manufacturing a filter-drier having a tubular casing and a desiccant core between an inlet and an outlet comprising the steps of:

dividing an elongate tube into sections;

forming indentations in each section;

cutting each section to provide a plurality of tubular casings,
having opposed ends; and

molding a desiccant core within each tubular casing to
conform to the configuration of the indentation.

PLEASE ADD THE FOLLOWING CLAIMS:

15. A filter-drier for drying refrigerant circulated in a refrigeration system
by removing moisture therefrom, the filter-drier comprising:

a casing having an inlet for receiving refrigerant and an outlet
for discharging refrigerant, the casing including opposed end
portions and an intermediate portion disposed between said end
portions and having an inner surface;

a molded core formed from dessicant and a binder disposed in
said casing between said inlet and outlet and receiving flow of
refrigerant therethrough; and

holding means between the casing inner surface and said core
outer surface for holding the core in place said holding means being
provided by at least one of the molded core binder and a preformed
protrusion provided by the casing to inhibit movement of the core.

16. A filter-drier as defined in claim 15, wherein:

the holding means is provided by a preformed protrusion extending into the outer surface of the core.

17. A filter-drier as defined in claim 15, wherein:

the holding means includes bonding means between the inner surface of the casing and the outer surface of the core, the bonding means being provided by the desiccant core binder.

18. A filter-drier as defined in claim 15, wherein:

the holding means is provided by a preformed protrusion extending into the outer surface of the core and bonding means between the inner surface of the casing and the outer surface of the core, said bonding means being provided by the desiccant core binder.

REMARKS

The references of record and bases of rejection have been carefully studied.

Applicant appreciates the indication that claims 10, 12 and 14 are allowed and that claims 11 and 13 are allowable subject to correction of